

## WHAT IS CLAIMED IS:

1. A mounting structure for a fuel injection apparatus for an engine of a small size vehicle such as a motorcycle having an engine with a cylinder extending forwardly and substantially horizontally and wherein an intake port extends substantially rearwardly from an upper portion of a cylinder head of said engine and a fuel injection apparatus for injecting fuel into a combustion chamber through said intake port is disposed in the proximity of said cylinder head comprising:

a mounting boss being provided on an outer face of said intake port rearwardly of said fuel injection apparatus and said fuel injection apparatus is mounted on said mounting boss.

2. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 1, wherein said mounting boss surrounds a rear portion of said fuel injection apparatus.

3. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 1, wherein a side wall forming said cylinder head extends along said fuel injection apparatus so that at least part of said fuel injection apparatus is surrounded by said side wall.

4. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 2, wherein a side wall forming said cylinder head extends along said fuel injection apparatus so that at least part of said fuel injection apparatus is surrounded by said side wall.

5. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 1, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

6. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 2, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

7. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 3, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said

mounting boss.

8. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 4, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

9. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 1, wherein a linear distance from a frame side pivot to the fuel injection apparatus is less than a linear distance from the frame side pivot to an engine side pivot for reducing the displacement amount of the fuel injection apparatus relative to the displacement amount of the engine side pivot.

10. The mounting structure for a fuel injection apparatus for an engine of a small size vehicle according to claim 1, wherein said mounting boss includes a stay portion extending radially outwardly therefrom for fixing the position of a hose joint connected to the fuel injection apparatus.

11. A mounting structure for a fuel injection apparatus for an engine with a cylinder extending forwardly and substantially horizontally and wherein an intake port extends substantially rearwardly from an upper portion of a cylinder head of said engine and a fuel injection apparatus for injecting fuel into a combustion chamber

through said intake port is disposed in the proximity of said cylinder head comprising:

a mounting boss secured to the intake port at a predetermined position disposed rearwardly of said fuel injection apparatus; and

wherein said fuel injection apparatus is mounted on said mounting boss in a direction forwardly of the mounting boss.

12. The mounting structure for a fuel injection apparatus for an engine according to claim 11, wherein said mounting boss surrounds a rear portion of said fuel injection apparatus.

13. The mounting structure for a fuel injection apparatus for an engine according to claim 11, wherein a side wall forming said cylinder head extends along said fuel injection apparatus so that at least part of said fuel injection apparatus is surrounded by said side wall.

14. The mounting structure for a fuel injection apparatus for an engine according to claim 12, wherein a side wall forming said cylinder head extends along said fuel injection apparatus so that at least part of said fuel injection apparatus is surrounded by said side wall.

15. The mounting structure for a fuel injection apparatus for an engine according to claim 11, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay

provided for mounting said fuel injection apparatus on said mounting boss.

16. The mounting structure for a fuel injection apparatus for an engine according to claim 12, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

17. The mounting structure for a fuel injection apparatus for an engine according to claim 13, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

18. The mounting structure for a fuel injection apparatus for an engine according to claim 14, wherein said fuel injection apparatus is connected to a fuel supply system through a fuel supply joint connected to an upper portion thereof, and said fuel supply joint is bolted to said mounting boss together with a mounting stay provided for mounting said fuel injection apparatus on said mounting boss.

19. The mounting structure for a fuel injection apparatus for an engine according to claim 11, wherein a linear distance from a frame side pivot to the fuel injection apparatus is less than a linear distance from the frame side pivot to an engine side pivot for reducing the displacement amount of the fuel injection apparatus

relative to the displacement amount of the engine side pivot.

20. The mounting structure for a fuel injection apparatus for an engine according to claim 11, wherein said mounting boss includes a stay portion extending radially outwardly therefrom for fixing the position of a hose joint connected to the fuel injection apparatus.